NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

ATG PAC
SAN DIEGO, CA

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

Ready. Resourceful. Responsive!

MATT MULLINS
CDR, USN
19 AUG 2003

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How SNT Got Started

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Aviation Maintenance-Supply Readiness (AMSR) Review – 1998

Challenge:

- ↓ Lower Maintenance & Supply Cost

- ↑ Increase Readiness

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System Concept

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Definition:

Closed-loop, cradle-to-grave tracking of maintenance critical, serialized components, providing asset visibility and material status, and enabled by automatic identification technology (AIT)

Plan:

Collect data through interfaces with various supply and maintenance systems and provide access to stakeholders via a Virtual Shared Data Warehouse

System Concept

Major Benefits

Maintenance

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Lo
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

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SNT Foundation

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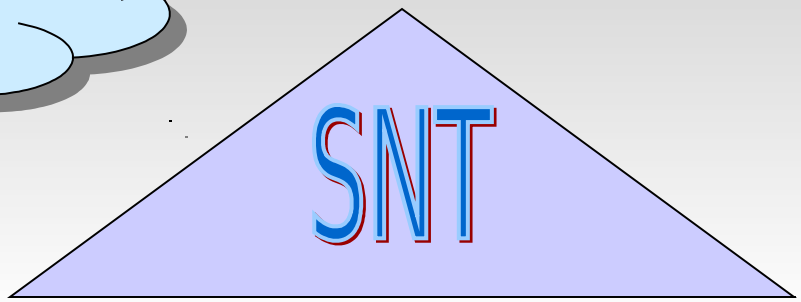
Implementation

SNT requires two components



Data Base Access

- WMRIL/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

FIRST

Live access to databases via the SNT Web-enabled portal.

SECOND

Automatic Identification Technology (AIT) is used by the SNT to maintain data accurac

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Aviation Asset/Information Flow

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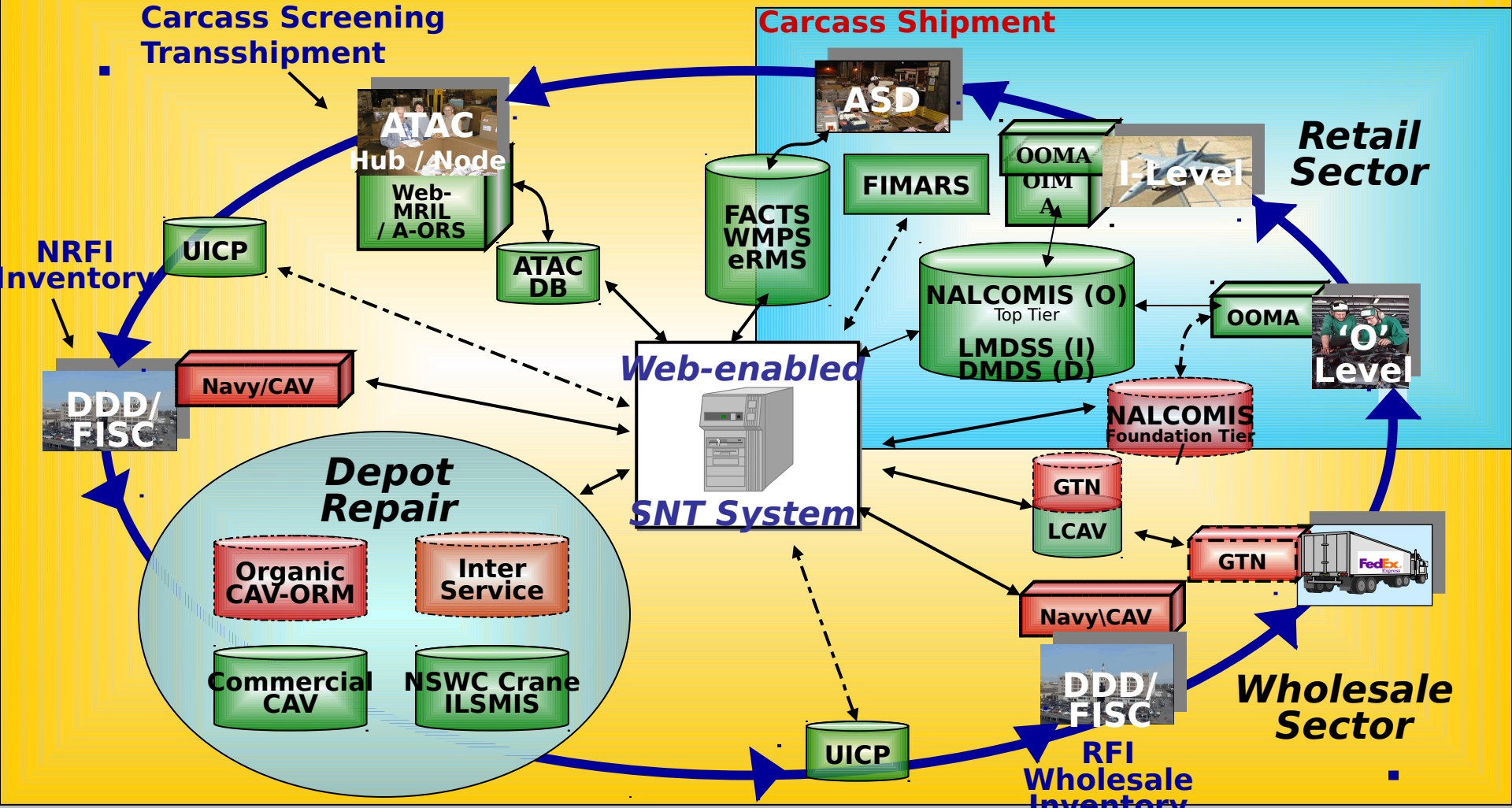
Information Systems

Overview



Connectivity | Not Connected | S/N | No | Asset Flow

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Shipboard Asset/Information Flow

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System Access

Carcass Screening
Transshipment

Carcass Shipment

ATAC

SIMA

Shipboard Supply

Web-MRIL / A-ORS

(Future) NEMAIS

CDMD-OA

(O)-Level

Retail Sector

UICP

NRFI Inventory

ATAC DB

FACTS WMPS eRMS

OMMS

3M DB

R-Supply

Shipboard Inv

DDD/ FISC

Navy/CAV

Web-enabled

FIMARS

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

GTN

LCAV

GTN

Navy\CAV

DDD/ FISC

Wholesale Sector

UICP

Connectivity | Not Connected | S/N | No | Asset Flow

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CMB

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AIT

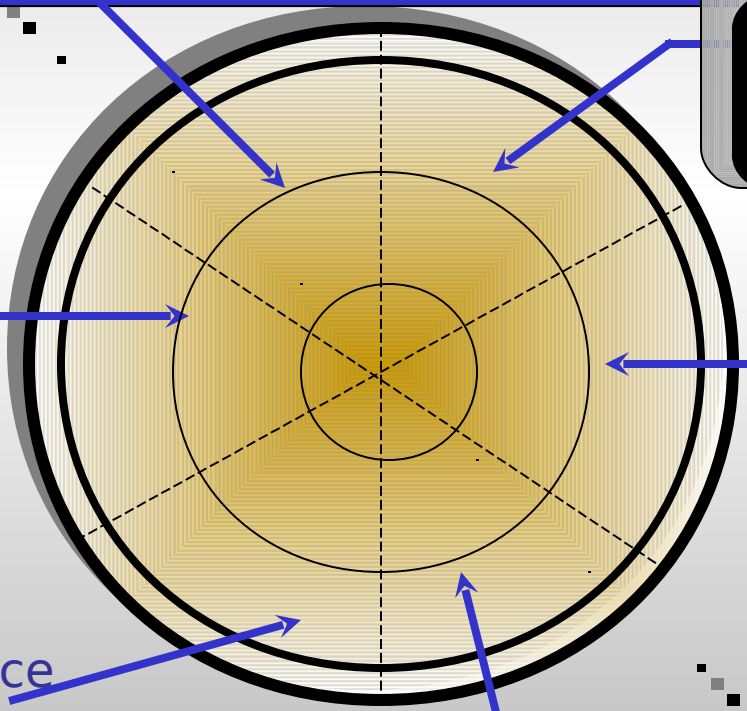
Contact Memory Button (CMB)

Scheduled Removal Component Card

Name Plate Data

Computer, Air Data CPU-175/A

P/N	50-100-01	SERNO	0152
MFR	K0656	CONTR	F33657-85C-0025



Maintenance History**

Warranty Data

CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

**Use TBD within aviation maintenance

Available for Vendor Use

Available for Future Navy Use

Demonstrations

Demonstrations

- H-60/HSL-40
- SCADC
- SQQ-32 SONAR
- HOSS Camera (AN/SXY-1)
- CAMS II A5 MODULE on SUBMARIN